

# Asia Pacific Patient Simulators Market Forecast to 2028 - COVID-19 Impact and Regional Analysis By Product (Adult Patient Simulator, Infant Simulator, and Childbirth Simulator) and End User (Academic Institutes, Hospitals, and Military Organizations)

<https://marketpublishers.com/r/A5B41ECF0285EN.html>

Date: March 2023

Pages: 115

Price: US\$ 3,000.00 (Single User License)

ID: A5B41ECF0285EN

## Abstracts

The Asia Pacific patient simulators market is expected to grow from US\$ 310.55 million in 2022 to US\$ 744.14 million by 2028. It is estimated to register a CAGR of 15.7% from 2022 to 2028.

### Increase in Demand for Minimally Invasive Treatment Methods Fueling Asia Pacific Patient Simulators Market Growth

A minimally invasive medical procedure is generally performed by entering the device in the body through the skin, a body cavity, or an anatomical opening, but with the least damage possible to these structures. In recent years, significant improvement has been made in cardiovascular disease treatment. However, these complex medical procedures require rich experience and technical expertise. The complex treatment of cardiovascular diseases is made more comfortable with the help of simulators. The system can produce realistic 3D vascular models segmented from patient datasets, which include a beating heart, and give a real-time computation of force and force feedback module for patient simulators. Robotic surgery and patient simulators both use a mechanized interface that provides visual patient reactions in response to the actions of the health care professional, monitors to visualize the change of the procedure, and computer software applications through which the health care professional interacts. Both technologies are undergoing rapid adoption and are viewed as modalities that allow physicians to perform increasingly complex minimally invasive procedures while enhancing patient safety. Advanced minimally invasive surgery (MIS), which is robot-assisted surgery, is becoming increasingly accepted. There is a growing need for training residents in this type of surgery. The increasing demand for MIS is boosting the

growth of the Asia Pacific patient simulators market .

## Asia Pacific Patient Simulators Market Overview

The Asia Pacific patient simulators market is segmented into China, Japan, India, South Korea, Australia, and the Rest of Asia Pacific. China dominated the Asia Pacific patient simulators market in 2022. Simulation involves replicating the behavior of a situation or process through appropriate scenarios or devices, primarily for study or personnel training. This technique is widely used in medical education to ensure the safety of patients and train medical professionals. In China, during COVID-19, a module was designed to provide a safe training environment for medical staff to comprehensively practice their infection management skills. In December 2021, Chinese scientists developed two simulations of a human body infected with COVID-19. Research teams from the Institute of Microbiology of the Chinese Academy of Sciences (IMCAS), Tsinghua University, and China Agricultural University developed these two models that demonstrate clinical features similar to actual COVID-19 patients to support future research on precision therapy and the testing of efficacy and safety of vaccines and drugs. Moreover, the increasing funding by companies is expected to fuel the growth of healthcare simulators in the country.

## Asia Pacific Patient Simulators Market Revenue and Forecast to 2028 (US\$ Million)

### Asia Pacific Patient Simulators Market Segmentation

The Asia Pacific patient simulators market is segmented based on product, end user, and country.

Based on product, the Asia Pacific patient simulators market is segmented into adult patient simulator, infant simulator, and childbirth simulator. The adult patient simulator segment held the largest Asia Pacific patient simulators market share in 2022.

Based on end user, the Asia Pacific patient simulators market is segmented into academic institutes, hospitals, and military organizations. The academic institutes segment held the largest Asia Pacific patient simulators market share in 2022.

Based on country, the Asia Pacific patient simulators market has been categorized into China, India, Japan, South Korea, Australia, and the Rest of Asia Pacific. China dominated the Asia Pacific patient simulators market in 2022.

CAE Inc, Gaumard Scientific Co Inc, Kyoto Kagaku Co Ltd, Laerdal Medical AS, Limbs & Things Ltd, Mentice AB, Simulab Corp, Surgical Science Sweden AB, and VirtaMed AG are among the leading companies operating in the Asia Pacific patient simulators market.

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